

### Input data

|                       |       |                             |
|-----------------------|-------|-----------------------------|
| System of measurement |       | Metric                      |
| Input type            |       | Coupling for electric motor |
| Input speed           | [rpm] | 1400                        |
| Output speed          | [rpm] | 14                          |
| Ratio (i=)            |       | 100                         |
| Frequency             | [Hz]  | 50                          |
| Input options         |       | IEC                         |
| Requested input power | [kW]  | 0.06                        |
| Service factor        |       | 0.5                         |
| Rated Power P1        | [kW]  | 0.03                        |

**Warning! The torque generated by the selected motor is above the gearbox rated output torque; please refer to the gearbox rated output torque.**

### Output data

#### Gear unit **F RT 28 B3 100 56 B14 AC 14**

|                     |                     |                          |
|---------------------|---------------------|--------------------------|
| Type                |                     | RT - Worm speed reducers |
| Input type          |                     | F (Elastic coupling)     |
| Size                |                     | 28                       |
| Ratio (i=)          |                     | 100                      |
| Input flange        |                     | B14                      |
| Input speed         | [rpm]               | 1400                     |
| Output speed        | [rpm]               | 14                       |
| Rated output torque | [Nm]                | 8                        |
| Service Factor      |                     | 0.5                      |
| Efficiency          |                     | 0.43                     |
| Inertia moment      | [kgm <sup>2</sup> ] | 0.000005                 |

#### Gear unit configuration

|              |                     |
|--------------|---------------------|
| Output shaft | Hollow output shaft |
| Fixing       | Universal           |
| Version      | B3                  |

#### Output radial and axial loads

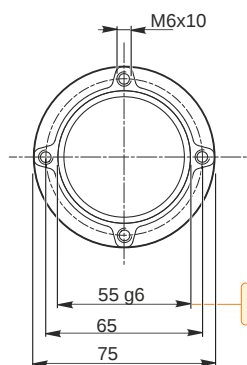
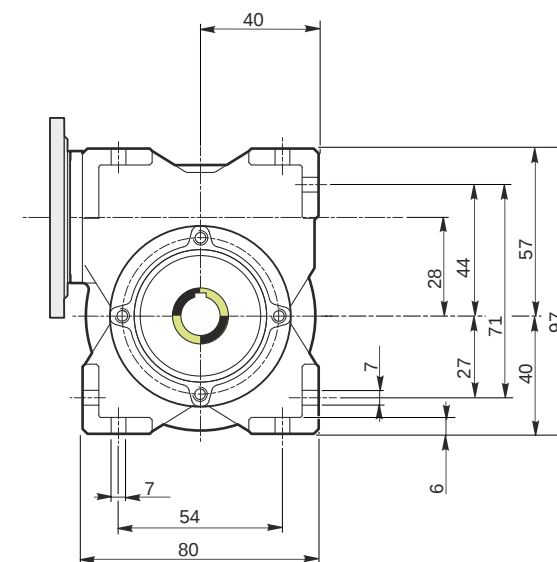
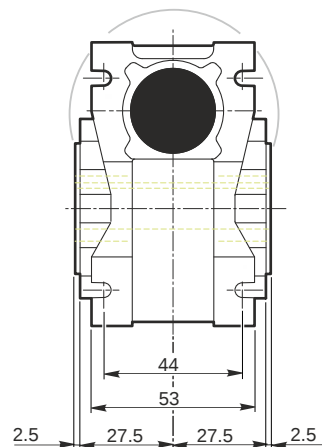
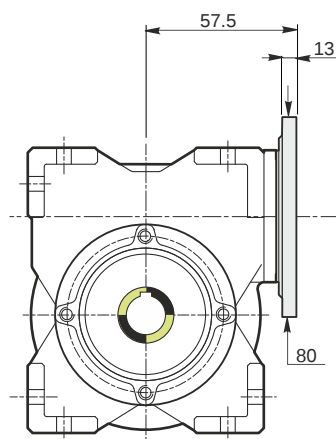
|                                   |     |      |
|-----------------------------------|-----|------|
| Ball bearings output radial load  | [N] | 1000 |
| Taper bearings output radial load | [N] | 1300 |
| Ball bearings output axial load   | [N] | 200  |
| Taper bearings output axial load  | [N] | 260  |

#### Accessories

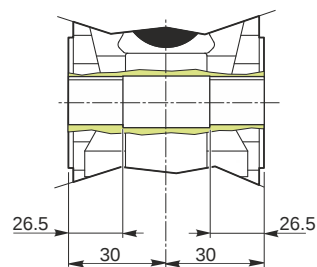
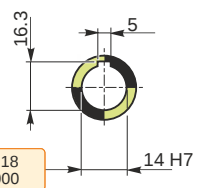
|                     |       |
|---------------------|-------|
| Hollow output shaft | AC 14 |
|---------------------|-------|

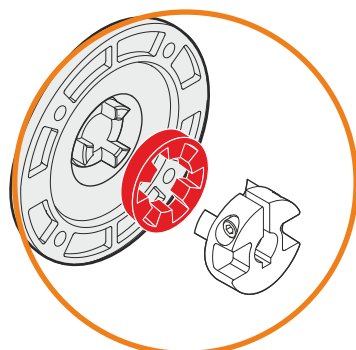
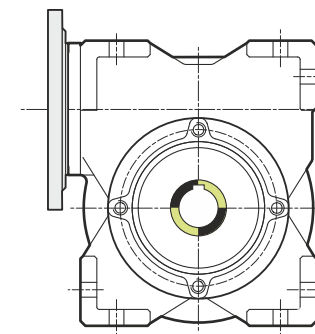
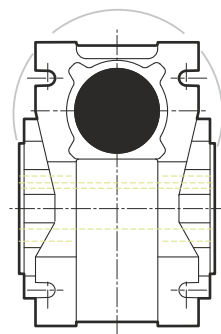
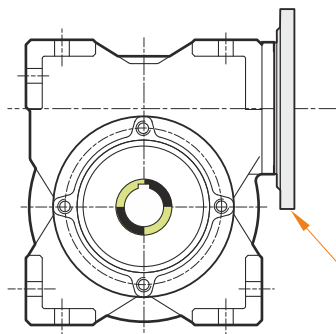
#### Electric motor coupling

|          |      |       |
|----------|------|-------|
| Size     |      | 56 A4 |
| Poles n. |      | 4     |
| Power    | [kW] | 0.06  |

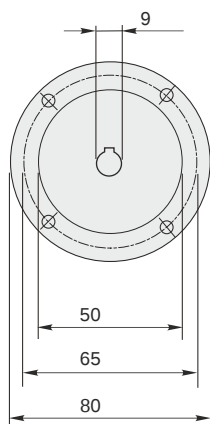


*Hollow output shaft*



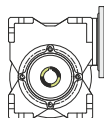


This gear unit is provided with an elastic coupling motor fitting



## Mounting positions

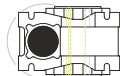
B3



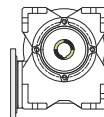
B6



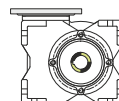
B7



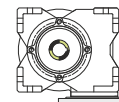
B8



V5



V6



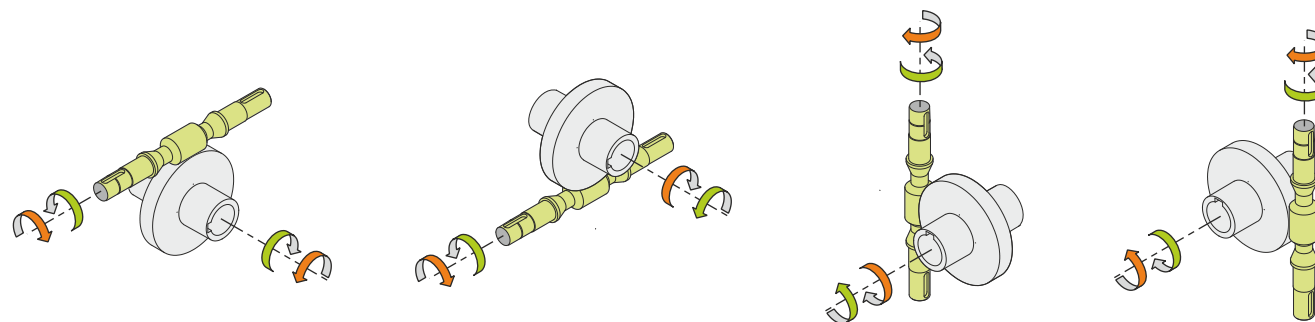
0.03



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

## Direction of rotation



## Weight

Gear unit [kg] 1.1

## Gearing data

Axial module 0.45  
Number of starts 1  
Lead angle 2° 20'  
Pressure angle 20°

## Backdriving

Static self-locking  
No back-driving  
Low dynamic back-driving

**F RT 28 B3 100 56 B14 AC 14**